

## REMARKS

Claims 14-27 and 43-94 are pending and under consideration. Claims 77, 78, 80, 82, 84, 86, and 94 have been amended for consistency in capitalization of the word "Claim."

The Examiner has required two species elections.

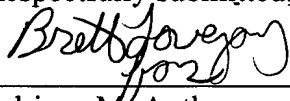
In the first species election, the Examiner has required election of a species of perturbation as listed separately in instant claims 43-54, or, alternatively, an unspecified perturbation not listed in the claims. In response, Applicants hereby elect the perturbation caused by exposure to a pharmacological agent as in claim 43. Claims 14-27, 43-46, and 55-94 are readable upon this elected species. Claims 45 and 46 are stated to be read on the elected species, since a drug candidate can be a pharmacological agent. Claims 14-27 and 55-94 are generic to the list of species.

In the second species election, the Examiner has required election of an organism type, such as listed in claims 59-62, or, alternatively, an unspecified organism. In response, Applicants hereby elect the species *Homo sapien*. Claims 14-27, 43-54, 57- 60, and 63-94 are readable upon the elected species. Claims 14-27, 43-58, and 63-94 are generic to the identified species.

Applicants respectfully request that the above-mentioned amendments and remarks be entered and made of record in the file history of the subject application.

Date: June 21, 2004

Respectfully submitted,

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